

**Introduction:
Occupational
Data and Regional
Labor Market
Information Tools**

**Presented by:
Mark McInerney
(Director)
and
Andrew Dawson
(Occupational Analyst)**





Center for Workforce Research and Information (CWRI)

CWRI works in collaboration with the U.S. Department of Labor to produce Maine Labor Market Information (LMI)

LMI: employment, wages, unemployment, projections, labor force, demographics and more. Statewide estimates and for Maine substate areas

This presentation:

- How to navigate/access occupational data with the goal of providing job seekers with the right data to inform decision making
- Regional LMI tools: provide job seekers with data specific to where they live (workforce investment regions, counties, metro areas)
- Highlight some additional tools

Working with Occupational Data

Workers are grouped together by Occupation

- Think about the types of tasks that people perform at their jobs

Occupational Employment Statistics (OES)

- Employment and wage estimates in Maine by occupation
- Statewide data and substate areas
- Drill down approach: find information about a specific occupation
- Approach the data from the top down: explore different types of occupations based on broad search criteria



Understanding the SOC

Occupations are grouped together based upon similar duties, skills, education, and/or training and assigned a 6-digit Standard Occupational Classification (SOC) code

SOC Codes are broken down into Major Groups and Detailed Occupations

Major Groups are represented by the first 2 digits (**53-0000** Transportation and Material Moving Occupations)

Detailed Occupations are represented by all 6 digits (**53-3033** Light Truck Drivers)

Major Groups and Detailed Occupations

There are **23 Major Groups** that over **800 Detailed Occupations** are classified into

Examples:

Community and Social Service Occupations (21-0000)

Substance Abuse and Behavioral Disorder Counselors (21-1011)

Educational, Guidance, and Career Counselors and Advisors (21-1012)

Marriage and Family Therapists (21-1013)

Mental Health Counselors (21-1014)

Rehabilitation Counselors (21-1015)



Keys to Success

Identify the Detailed Occupation that best fits your description/skills/training

Record occupation title for your search

Determine the geographic area(s) of interest

Statewide, counties, metropolitan areas, etc.

Research our products for statistics of interest

Average wage, # of jobs, projected openings, High-Wage In-Demand

Using Occupational Data



The screenshot shows the O*NET OnLine website. At the top left is the 'o-net' logo. To its right is the text 'O*NET OnLine'. Below this is a navigation bar with links: 'Help', 'Find Occupations', 'Advanced Search', and 'Crosswalks'. The main content area features a large banner with a construction crane silhouette against a sunset sky. The banner text reads: 'Build your future with O*NET OnLine.' followed by a welcome message and a description of the tool. A button labeled 'What is O*NET?' is at the bottom right of the banner. At the bottom of the page is a search bar with the text 'Occupation Search' and a dropdown menu showing 'Keyword or O*NET-SOC Code: driver'.

Build your future with O*NET OnLine.

Welcome to your tool for career exploration and job analysis!

O*NET OnLine has detailed descriptions of the world of work for use by job seekers, workforce development and HR professionals, students, researchers, and more!

[What is O*NET?](#)

Occupation Search [Keyword](#) or [O*NET-SOC Code](#):

Drill down approach:

The key to using occupational data is to identify the correct occupation or group

Great tools available

One recommended tool:

O NET Occupation Search

<https://www.onetonline.org/>

Quick Search for: driver

Showing top 20 occupations for **driver**. Closest matches are shown first.

How do they match?	Code	Occupation
	53-3031.00	Driver/Sales Workers
	53-3011.00	Ambulance Drivers and Attendants, Except Emergency Medical Technicians 🌟 Bright Outlook
	53-3032.00	Heavy and Tractor-Trailer Truck Drivers 🌟
	53-3053.00	Shuttle Drivers and Chauffeurs 🌟
	53-3052.00	Bus Drivers, Transit and Intercity 🌟
	53-3033.00	Light Truck Drivers 🌟
	53-7081.00	Refuse and Recyclable Material Collectors 🌟
	47-2071.00	Paving, Surfacing, and Tamping Equipment Operators 🌟
	47-4061.00	Rail-Track Laying and Maintenance Equipment Operators

Occupation titles are not always intuitive

May not be the same as the description that immediately comes to mind. For example:

- “Heavy and Tractor-Trailer Truck Drivers”
- “Light Truck Drivers”

Additional Resources: Occupational Outlook Handbook

Occupation Outlook Handbook

<https://www.bls.gov/ooh/home.htm>


Occupation Finder: a great tool to search for detailed occupations

Occupational Summary page: to find information about the Work Environment and find the largest employers (industries of employment)

Select Similar Occupations to refine or redirect your search

Target industry(ies) will assist in a search for prospective employers

Substance Abuse, Behavioral Disorder, and Mental Health Counselors

PRINTER-FRIENDLY 

Summary

What They Do

Work Environment

How to Become One

Pay


Job Outlook

State & Area Data

Similar Occupations

More Info

Work Environment

About this section 

Substance abuse, behavioral disorder, and mental health counselors held about 319,400 jobs in 2019. The largest employers of substance abuse, behavioral disorder, and mental health counselors were as follows:

Outpatient mental health and substance abuse centers	19%
Individual and family services	16
Hospitals; state, local, and private	10
Residential mental health and substance abuse facilities	10
Government	8

Substance abuse, behavioral disorder, and mental health counselors work in a wide variety of settings, including mental health centers, prisons, probation or parole agencies, and juvenile detention facilities. They also work in halfway houses, detox centers, or in employee assistance programs (EAPs). EAPs are mental health programs provided by some employers to help employees deal with personal problems.

Some addiction counselors work in residential treatment centers, where clients live in the facility for a fixed period of time. Others work with clients in outpatient treatment centers. Some counselors work in private practice, where they may work alone or with a group of counselors or other professionals.



Substance abuse, behavioral disorder, and mental health counselors work in a wide variety of settings, including mental health centers, prisons, probation or parole agencies, and juvenile detention facilities.

Select whether interested in Detailed Occupations or major groups

Then type to search for the occupation

Filter Major Groups
Detailed Occupations Only

Select Occupational Group:
Transportation and Material Moving

Select Occupation (multiple values):
Heavy and Tractor-Trailer Truck Drivers
heavy and
☒ Heavy and Tractor-Trailer Truck Drivers

2019 Hourly Occupation
Geography: **Statewide**
Occupational Group: **All**

Area Name	Occupation Title	Estimated Employment	Average Wage	25th Percentile	Median Wage	75th Percentile
Maine	Heavy and Tractor-Trailer Truck Drivers	9,290	\$20.13	\$16.52	\$19.25	\$23.45

Blank cells indicate that an estimate is not available. Certain estimates are suppressed from publication to meet confidentiality or data quality requirements. Wage estimates above the processing limits of the statistical software are also blank. Only annual wages are provided for teaching occupations and certain others, resulting in blank cells in the hourly wage type.

Note: Data for Maine (Statewide), the metropolitan areas of Bangor, Lewiston-Auburn, Portland-South Portland, Portsmouth NH-ME, Dover-Durham NH-ME, and the Balance of State Areas, are derived from the May 2019 Occupational Employment Statistics survey. County-level estimates are locally developed using the same OES methodology but have not been reviewed by the U.S. Bureau of Labor Statistics.

Source: Maine Department of Labor, Center for Workforce Research and Information.

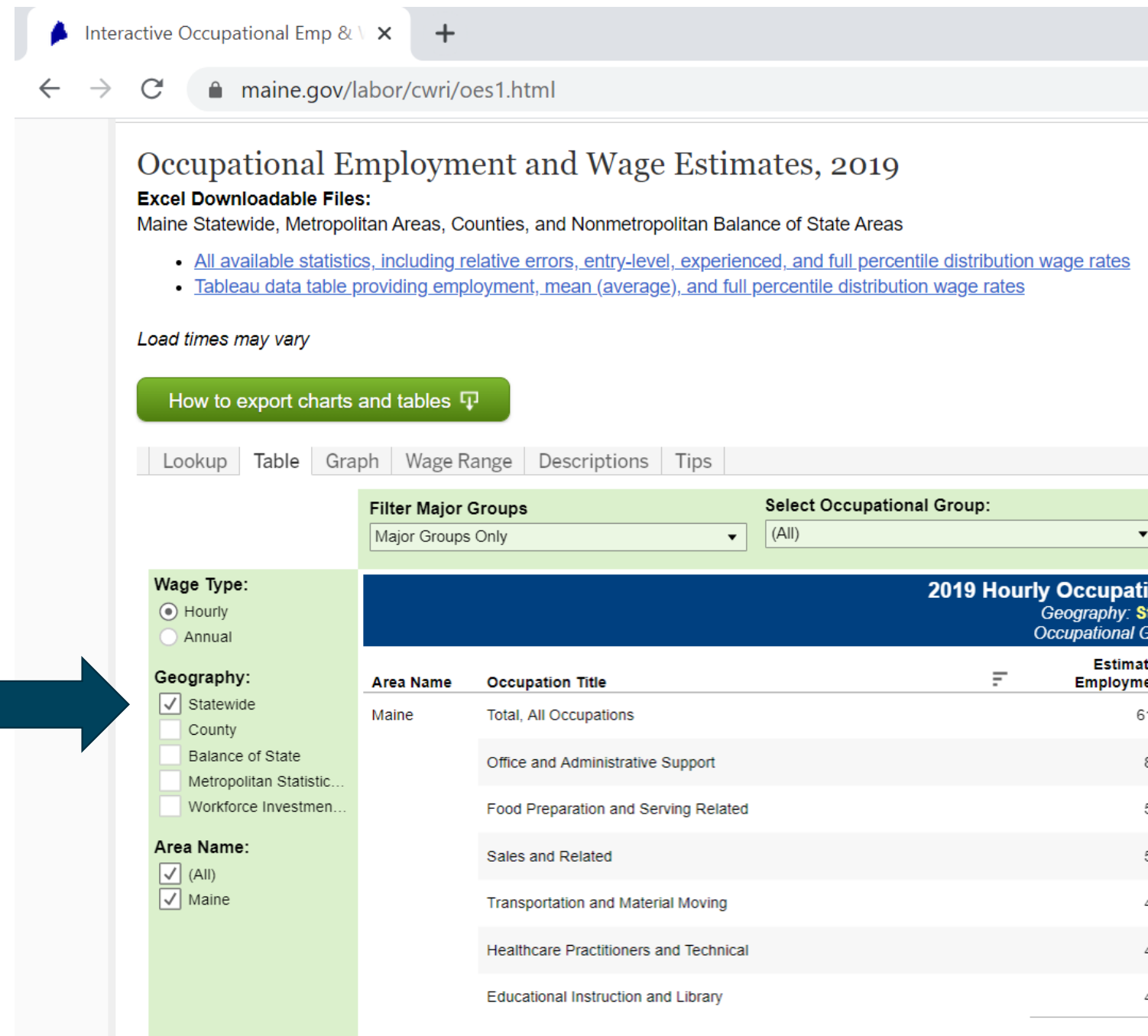
Navigate Maine Occupational data by Major Groups or Detail Occupations

Once the occupational title of interest is identified, available data includes employment, wages, projected job openings and more

Occupational Employment Statistics

<https://www.maine.gov/labor/cwri/oes1.html>

Occupational data available at
different geographic levels
Select the geographic areas of
interest
Statewide
Workforce Investment Regions
County
Metro Areas



Interactive Occupational Emp & \ x +

← → ↺ maine.gov/labor/cwri/oes1.html

Occupational Employment and Wage Estimates, 2019

Excel Downloadable Files:
Maine Statewide, Metropolitan Areas, Counties, and Nonmetropolitan Balance of State Areas

- [All available statistics, including relative errors, entry-level, experienced, and full percentile distribution wage rates](#)
- [Tableau data table providing employment, mean \(average\), and full percentile distribution wage rates](#)

Load times may vary

How to export charts and tables ↗

Lookup Table Graph Wage Range Descriptions Tips

Filter Major Groups
Major Groups Only

Select Occupational Group:
(All)

Wage Type:
☒ Hourly
☐ Annual

Geography:
☒ Statewide
☐ County
☐ Balance of State
☐ Metropolitan Statistic...
☐ Workforce Investmen...

Area Name:
☒ (All)
☒ Maine

2019 Hourly Occupational Employment

Geography: S
Occupational G

Area Name	Occupation Title	Estimate Employment
Maine	Total, All Occupations	61
	Office and Administrative Support	8
	Food Preparation and Serving Related	5
	Sales and Related	5
	Transportation and Material Moving	4
	Healthcare Practitioners and Technical	4
	Educational Instruction and Library	4

Interactive Occupational Emp & \ x +

maine.gov/labor/cwri/oes1.html

Major Groups Only (All) (All)

Wage Type:
☒ Hourly
☐ Annual

Geography:
☒ Statewide
☐ County
☐ Balance of State
☐ Metropolitan Statistic...
☐ Workforce Investmen...

Area Name:
☒ (All)
☒ Maine

2019 Hourly Occupational Employment

Geography: **Statewide**
Occupational Group: **All**

Area Name	Occupation Title	Estimated Employment	Average Wage	25th Percentile	Median Wage	75th Percentile
Maine	Total, All Occupations	611,170	\$23.30	\$13.35	\$18.45	\$27.55
	Office and Administrative Support		\$18.51	\$14.33	\$17.54	\$21.61
	Food Preparation and Serving Related		\$13.83	\$11.24	\$12.08	\$14.91
	Sales and Related		\$18.66	\$11.61	\$13.71	\$20.23
	Transportation and Material Moving		\$17.09	\$12.23	\$15.56	\$19.65
	Healthcare Practitioners and Technical		\$41.16	\$24.01	\$32.29	\$44.10
	Educational Instruction and Library		\$23.58	\$16.32	\$21.75	\$29.25

Blank cells indicate that an estimate is not available. Certain estimates are also blank. Only annual wages are provided for teaching occupations.

Note: Data for Maine (Statewide), the metropolitan areas of Bangor and Portland, and the Balance of State Areas, are derived from the 2019 Occupational Employment Statistics survey. County-level estimates are derived from the 2019 Occupational Employment Statistics survey. County-level estimates are derived from the 2019 Occupational Employment Statistics survey.

Source: Maine Department of Labor, Center for Workforce Research

Download

Select your file format.

- Image
- Data
- Crosstab
- PDF
- PowerPoint
- Tableau Workbook

[Get the App](#)

Display Summary Report for Occupation - select from table above (link opens in new window)

Occupation Title
Accountants and Auditors

SOC Code
13-2011

ONET URL
<http://online.onetcenter.org/link/summary/13-2011.00>

o-net

tableau



All charts and tables can also be downloaded as an image file to be used in a presentation, report, grant application, ect.

Interactive Occupational Emp & \ x +

maine.gov/labor/cwri/oes1.html

Maine.gov Agencies | Online Services | Help | Search Maine.gov

Center for Workforce Research and Information cwri

Maine Department of Labor | Contact Us | About CWRI | FAQs | Sitemap

Search CWRI Search

Home → Data → Occupational Employment and Wages → Occupational Employment and Wage Estimates, 2019

Occupational Employment and Wage Estimates, 2019

Excel Downloadable Files:
Maine Statewide, Metropolitan Areas, Counties, and Nonmetropolitan Balance of State Areas

- All available statistics, including relative errors, entry-level, experienced, and full percentile distribution wage rates.
- Tableau data table providing employment, mean (average), and full percentile distribution wage rates

Load times may vary

How to export charts and tables ↗

View More
Interactive Data Tools >

Lookup Table Graph Wage Range Descriptions Tips

Filter Major Groups: Major Groups Only

Select Occupational Group: (All)

Wage Type:
☒ Hourly
☐ Annual

Geography:
☒ Statewide
☐ County

2019 Hourly Occupational Employment

Geography: **Statewide**
Occupational Group: **All**

Area Name	Occupation Title	Estimated Employment	Average Wage	25th Percentile	Median Wage	75th Percentile
Maine	Total, All Occupations	611,170	\$23.30	\$13.35	\$18.45	\$27.55

For a deeper dive into Occupational data
Download the data as a Microsoft Excel Spreadsheet

Limitations of Occupational Data

Wages and projected job openings are important data elements to provide to job seekers

There are many other attributes about a job that LMI cannot capture

Knowledge of job attributes, prominent employers, ect. is crucial in supporting job seekers to ensure that a particular career is a good fit for a job seeker and their family



Occupational Outlook

Occupational Outlook

<https://www.maine.gov/labor/cwri/outlook.html>

Ten year occupational projections

Find which occupations are expected to grow or decline over the next ten years

Many data users focus on occupations with expected **job growth**, missing some crucial dynamics

There is a constant flow of people into and out of the labor force. Opportunity is created when workers retire, move up the career ladder or find opportunities with a different employer

Annual Total Job Openings can be used to capture the dynamics of the labor market

- Limitations: a good measure of opportunity but also points to occupations where turnover is high (which may be a sign of a job that workers are quick to leave)

Occupational Outlook

Among the 690 occupations with employment in Maine

The total number of jobs is expected to increase in 230 and decrease in 460 between 2018 and 2028

62 percent of job openings are expected in occupations in which the number of jobs is projected to decrease

38 percent are expected in occupations in which the number of jobs is projected to increase

- most openings in those occupations will stem from replacement needs rather than from job growth

Maine Occupational Projections Data available for detailed occupations and major groups

Occupations can be filtered based on the education/training typically required of that occupation

Statewide Employment Projections to 2028

Lookup Occupation Growing/Declining Occupations Industry Growing/Declining Industries High-Wage/In-Demand Jobs Definitions

Filter Major Group
☒ (All)
☐ Detailed Occupations Only
☐ Major Groups Only

Select an Occupational Group
(All)

Select a Detailed Occupation
(All)

Education/Training Required
(All)

SOC Code
(All)

Employment and Job Openings in Maine in 2018 and Projected 2028
Occupation Group: **All**
Education/Training Required: **All**

Job Title	2018 Employment	2028 Employment	Net Growth	Percent Change	Annual Growth Openings	Annual Exits & Transfers	Annual Total Openings	Annual Openings Rate	Wage Year	Average Wage (Hourly)	Median Wage (Hourly)
Architects, Except Landscape and Naval	520	500	-20	-3.9%	-2	39	37	7.1%	2019	\$34.97	\$37.16
Landscape Architects	57	56	-1	-1.8%	0	4	4	7.0%	2019	\$36.04	\$30.62
Cartographers and Photogrammetrists	50	53	3	6.0%	0	3	3	6.0%	2019	\$33.01	\$30.44

Maine Job Outlook page:

<https://www.maine.gov/labor/cwri/outlook.html>

High Wage In Demand Jobs

High Wage In Demand Jobs

<https://www.maine.gov/labor/cwri/data/oes/hwid.html>

Allows you to focus your search of the occupational outlook

- limit to occupations where wages are above the state median
- and job openings are projected to be high over the next ten years

Display:
☒ Bar Graph
☐ Table
☐ Bubble Graph

Occupation

Typical Education Required

Typical Education Level Required (Graph Only)

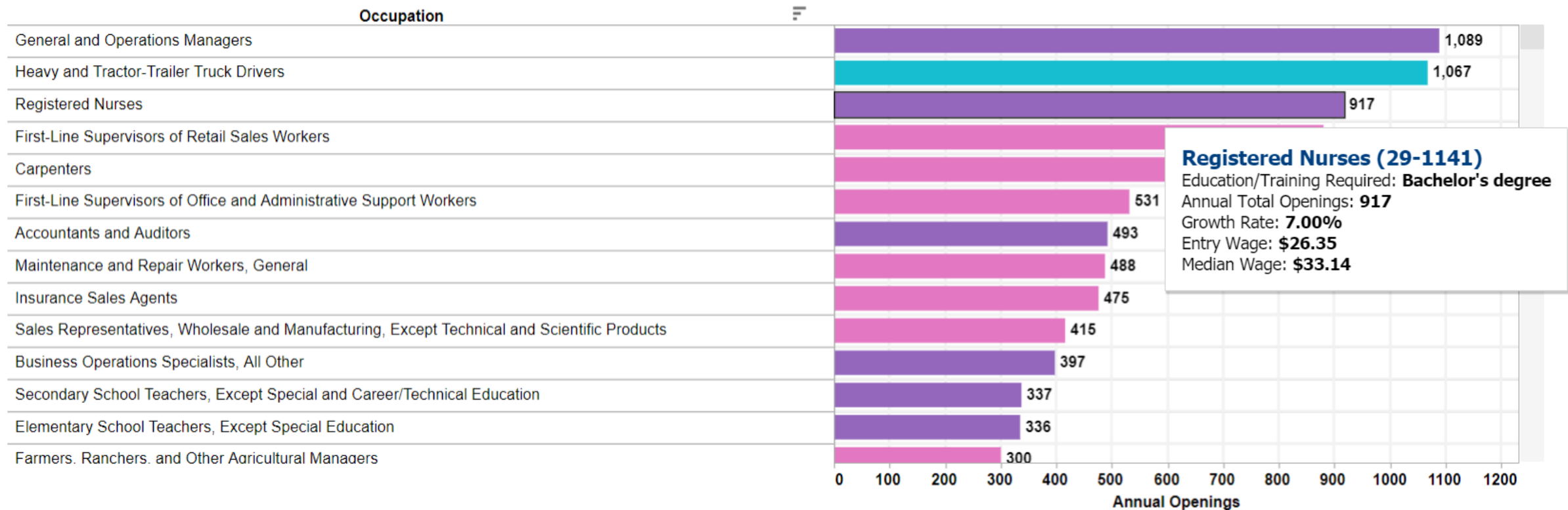
Associate's degree
High school diploma or equivalent
Postsecondary non-degree award

Bachelor's degree
Master's degree
Some college, no degree

Doctoral or professional degree
No formal educational credential

SOC Code

Maine High-Wage, In-Demand Jobs by Education
*Education Requirement: **All***



High Wage In Demand Jobs

<https://www.maine.gov/labor/cwri/data/oes/hwid.html>

Regional LMI Tools

Regional Projections available for the

- Coastal Counties
- Central-Western Region
- Northeastern Counties

Projections include annual total job openings by occupation, growing/declining occupations by education level

<https://www.maine.gov/labor/cwri/outlookRegional.html>

County Profiles: unemployment, occupational/industry employment/wages, population, demographics, educational attainment, income, poverty, and more. Data available for all Maine counties

<https://www.maine.gov/labor/cwri/county-economic-profiles/countyProfiles.html>

Job Outlook

maine.gov/labor/cwri/outlookRegional.html

Statewide Employment Projections

Statewide Demographic Projections

Regional Employment Projections

Regional Employment Projections to 2027

Region	County	
Coastal Counties	Cumberland, Knox, Lincoln, Sagadahoc, Waldo, York	
Central-Western	Androscoggin, Franklin, Kennebec, Oxford, Somerset	
Northeastern Counties	Hancock, Penobscot, Piscataquis, Washington, Aroostook	

Graph

Table

Region

Coastal Counties Region

Central-Western Region

Northeast Region

Top

25

Education Requirement:

All

High School Diploma or Less

Some College or Associate's Degree

Bachelor's Degree or Higher

High school diploma or equivalent

Some college, no degree

Postsecondary non-degree award

25 Occupations with the Largest Projected Annual Openings by Region

SOC Code	Job Title	
41-2031	Retail Salespersons	1,547
35-3031	Waiters and Waitresses	1,419
41-2011	Cashiers	1,365
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	1,221
39-9021	Personal Care Aides	1,146
43-4051	Customer Service Representatives	
37-2011	Janitors and Cleaners, Except Maids and Housekeeping	
43-9061	Office Clerks, General	
35-2021	Food Preparation Workers	
11-1021	General and Operations Managers	
43-5081	Stock Clerks and Order Fillers	
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	517
31-1014	Nursing Assistants	501
37-3011	Landscaping and Groundskeeping Workers	496

Nursing Assistants (31-1014)

Annual Total Openings: 501

Education/Training Required: Postsecondary non-degree award

Annual Openings Rate: 11.8%

Median Hourly Wage (2018): \$14.27

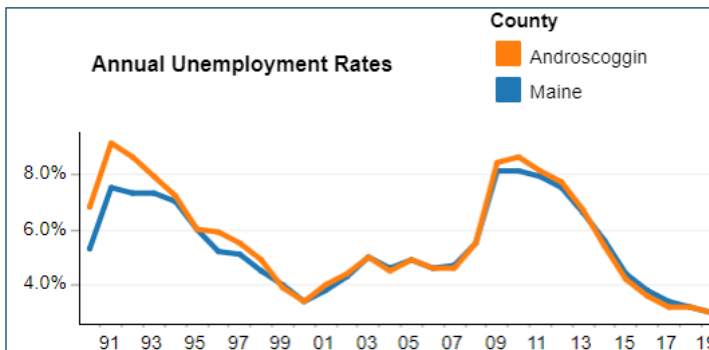
Snapshot Unemployment/Labor Force Occupational Wages Industry Employment Population Income & Poverty Education

- Androscoggin
- Aroostook
- Cumberland
- Franklin
- Hancock
- Kennebec
- Knox
- Lincoln
- Oxford
- Penobscot
- Piscataquis
- Sagadahoc
- Somerset
- Waldo
- Washington
- York

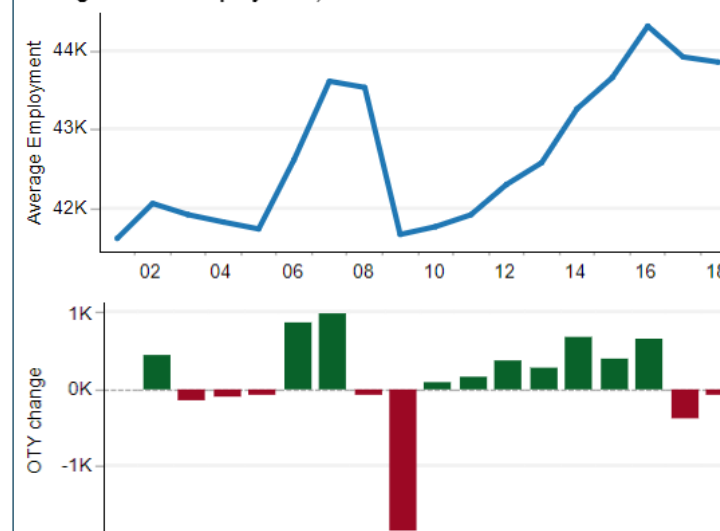


Androscoggin County

Annual Unemployment Rates



Average Private Employment, Total All Industries



2018 Median Household Income

Androscoggin

\$51,412

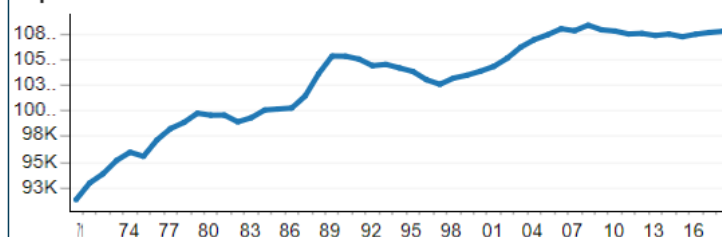
Maine

\$55,425

United States

\$60,293

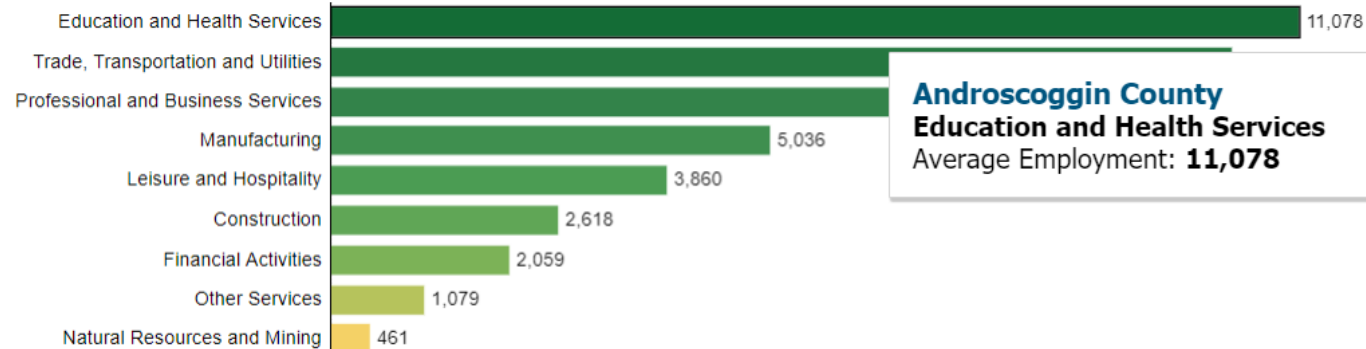
Population



2018 Population by Age

32 15 291 3

2018 Average Annual Covered Private Employment by Major Industry



Androscoggin County
Education and Health Services
Average Employment: **11,078**

Additional Resources: Maine Employer Locator

Employer Locator

<https://www.maine.gov/labor/cwri/employers.html>

Search by industry, occupation or keyword

Search results based on typical staffing patterns (employer industry code)

Filter by Location and distance/radius

<https://www.maine.gov/labor/cwri/employers2.html>

Search by business name, location and/or size

Filter by county/town of public record

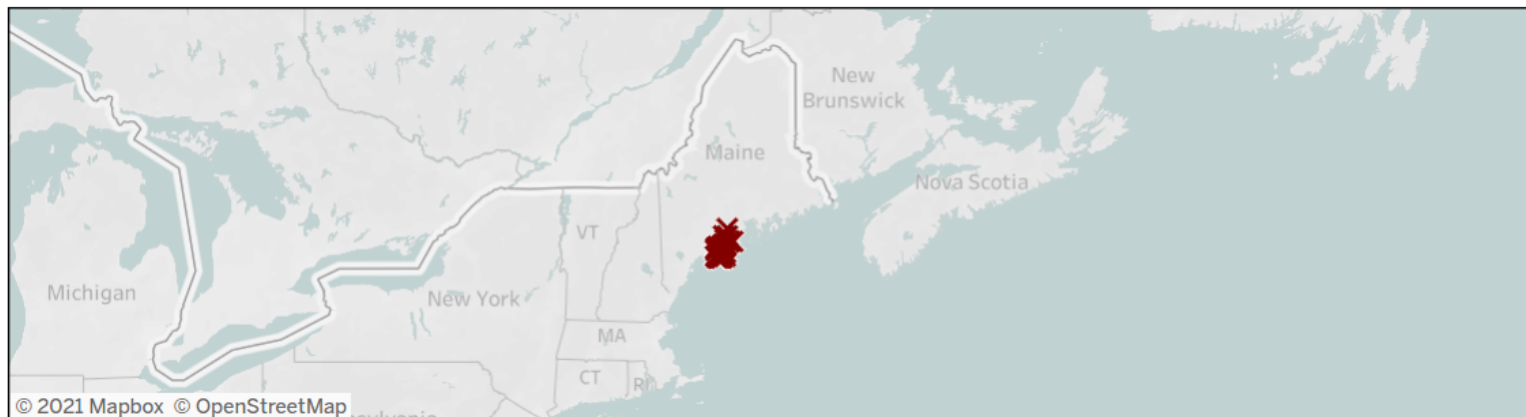
and/or Size
Class

Lincolnhealth-Miles Campus-Hsp	Damariscotta	250-499
Lincolnhealth-St Andrews	Boothbay Harbor	100-249
Main Street Grocery	Damariscotta	50-99
Maine Marine Resources Dept	West Boothby Hbr	50-99

COMPANY DETAIL (select from table above)

Employer Name Bigelow Laboratory For Ocean		Business Description Laboratories		Year Established 1974	Employer Size 50-99
Address 60 Bigelow Dr		City East Boothbay		Zip Code 04544	
Contact Deborah Bronk		Contact Title President	Phone (207) 315-2567	Toll Free -	Fax -
Contact Email DBRONK@BIGELOW.ORG		Web Site BIGELOW.ORG			
NAICS 541714	Industry Group Professional and Technical Services	NAICS Title Research and Dev in Biotech (except Nano)			

Hover over a mark on the map to display the company name. Click a mark to view on Google map.

**Optional Search Criteria****Employer Size Range**

From:

To:

50

499

County

- ☐ (All)
- ☐ Androscoggin
- ☐ Aroostook
- ☐ Cumberland
- ☐ Franklin
- ☐ Hancock
- ☐ Kennebec
- ☐ Knox
- ☒ Lincoln
- ☐ Oxford
- ☐ Penobscot
- ☐ Piscataquis
- ☐ Sagadahoc
- ☐ Somerset
- ☐ Waldo
- ☐ Washington
- ☐ York

City

(All)



Maine Education and Attainment Research Navigation System

MAINE
DEPARTMENT OF
LABOR

Explore LMI from the perspective of higher educational credentials

Great tool for job seekers considering higher education, prospective students and parents of prospective students

Wages and employment outcomes of graduates from the University of Maine System and Maine Community College System

Search for graduate wages and employment outcomes

- By Area of Study
- By Academic program
- By Degree type (Associates Degree, Bachelors Degree, ect.)
- By School

<https://www.maine.gov/labor/cwri/maineearns/index.html>



Maine Education and Attainment Research Navigation System

What Maine Graduates Earn

[View data in Excel spreadsheets](#)

Load times may vary

MaineEARNs provides information on employment and wage outcomes for Maine workers who graduated from the University of Maine System and Maine Community College System after July 2008. Students, parents, educators, administrators, policy makers, and anyone interested in earning education credentials and employment in Maine will be able to use this data to research, plan and make informed decisions.

View More

Interactive Data Tools >

How to export charts and tables

Earnings by Area of Study

Broad Field of Study	Program Name (multi-select):	Credential Type (multi-select):	Academic Years	Outcome Year	Output Variable(s)
HEALTH PROFESSIONS ... ▾	Nursing ▾	(All) ▾	2009-2011 ▾	(All) ▾	(Multiple values) ▾

Program Name	Credential Type	School Name	Number of Completers	% Working Full Time in Maine, By Outcome Year			Median Annual Wage for Full Time Employees		
				Year 1	Year 3	Year 5	Year 1	Year 3	Year 5
Nursing	Associate Degree	University of Maine-Augusta	205	78%	75%	72%	\$44,908	\$48,601	\$52,154
	Associate in Science	Central Maine Community College	81	85%	80%	80%	\$43,710	\$49,531	\$54,809
	Associate in Science	Eastern Maine Community College	76	82%	79%	78%	\$49,435	\$54,753	\$61,522
	Associate in Science	Northern Maine Community College	101	72%	70%	61%	\$46,295	\$48,090	\$51,963
	Associate in Science	Southern Maine Community College	152	74%	77%	71%	\$46,482	\$51,657	\$55,619
	Bachelor Degree	University of Maine	245	62%	61%	55%	\$53,039	\$57,076	\$61,259
	Bachelor Degree	University of Maine-Augusta	4						
	Bachelor Degree	University of Maine-Fort Kent	63	78%	79%	73%	\$45,463	\$47,251	\$51,629
	Bachelor Degree	University of Southern Maine	429	63%	60%	56%	\$48,126	\$51,503	\$57,051
	Master's Degree	University of Maine	26	81%	89%	73%	\$68,463	\$75,579	\$83,094
	Master's Degree	University of Southern Maine	94	71%	66%	60%	\$74,110	\$81,404	\$87,582
	Post Master's	University of Maine	2						
	Post Master's	University of Southern Maine	5						

Questions and Contact Information

Mark McInerney

Director

**Center for Workforce
Research**

Maine Department of Labor

www.maine.gov/labor/cwri

Mark.McInerney@maine.gov

Andrew Dawson

Statistician III

**Center for Workforce
Research**

Maine Department of Labor

www.maine.gov/labor/cwri

Andrew.Dawson@maine.gov